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 TI Preparation of cellulase synergistic protector solution and its use in
 treating **cellulose fiber**
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 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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CN 1199116	ICM	D06M016-00
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AB The protector is composed of 0.5-5.0 M alc. soln. 1-35, 0.2-1.5 M nonionic
surfactant soln. 0.1-10.0, 0.05-1.0 M polysaccharide soln.
 0.4-7.0, 0.5-1.0 M org. acid 0.05-2, and water to 100%. The protector may
 contain 0.1-0.9 M inorg. salt 0.5-10%. The alc. is selected from ethanol,
 ethylene glycol, glycerin, pentaerythritol, polyethylene glycol, and
 sorbitol; the **surfactant** from Tween-20, polyoxyethylene alkyl
 ether, polyoxyethylene aryl ether, polyoxyethylene alkyl ester,
 polyoxyethylene aryl ester, polyoxyethylene alkylphenol ether, and
 polyethylene glycol sorbitol laurate; the polysaccharide from
 methylcellulose, ethylcellulose, hydroxymethylcellulose, lactose, and
 sucrose; the org. acid from formic acid, acetic acid, propanoic acid, and
 oxalic acid; and the inorg. salt from NaCl, NaOAc, Na formate, Na₃PO₄,
 NaH₂PO₄, Na₂HPO₄, Ca formate, Ca(OAc)₂, CaCl₂, MgCl₂, and Mg(OAc)₂. The
 cellulose type fiber is treated by soaking the fiber in the protector
 soln. at 45-55.degree. and pH 4.5-5.5 for 30-90 min. The ratio of the
 protector-**cellulose fiber** is 0.2-5:100.

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